```
RRR
RRR
RRR
RRR
RRR
                                   FFF
FFF
FFF
FFF
FFF
                 RRR
RRR
RRR
                              RRR
RRR
RRR
```

Va

DQD

ARR

DDDDDDDDD	000000	DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD	111111	\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$	KK KK	\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$
DD DD	00 00	DD DD	İİ	SS	KK KK	SS
DD DD DD DD DD DD	00 00	DD DD	ii	55	KK KK	SS SS
DD DD	00 00	DD DD	ĪĪ	SS	KK KK	SS
DD DD	QQ QQ	DD DD	11	\$\$\$\$\$\$ \$\$\$\$\$\$	KKKKKK	\$\$\$\$\$\$ \$\$\$\$\$\$
DD DD	00 00 00	DD DD	ii	SS	KK	SS
DD DD	00 00 00	DD DD	İİ	SS	KK KK	SS
DD DD DD DD DD DD	00 00	DD DD	ii	\$\$	KK KK	SS
DDDDDDDD	0000 00	DDDDDDDD	111111	SSSSSSS	KK KK	SSSSSSSS
DDDDDDDD	0000 00	DDDDDDDD	111111	SSSSSSS	KK KK	SSSSSSS

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LAB

FUN

Page

Version:

0055 0056 C

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C

C++

'V04-000'

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Author Brian Porter

Creation Date 20-JUL-1981

functional description:

This module is used to display error log entries logged for the 11/7zz IDC. The format of the device specific portion of the record is as follows.

+		
1	csr	1
+		
·	bar	
	bcr	
	dar	
	mpr	
	ecc1	
	ecc2	
	data path number	
	data path reg (always 0)	
	final uba map	

```
previous uba map
vec$1_mapreg (from crb)
```

Modified by:

C

C**

V03-003 SAR0217 SAR0217 Sharon A. Reynolds, 28-Mar-1 Changed the call to UCB\$L_OWNUIC to ORB\$L_OWNER. 28-Mar-1984

V03-002 SAR0069 Sharon A. Reynolds, 20-Jun-1983 Changed the carriage control in the 'format' statements for use with ERF.

v03-001 SAR0046 9-Jun-1983 Sharon A. Reynolds, Removed brief/cryptic support.

v02-008 BP0008 BP0008 Brian Porter, 23-JAN-Corrected polarity of 'plug valid' for the r80. 23-JAN-1982

v02-007 BP0007 23-NOV-1981 Brian Porter. Minor edit.

v02-006 BP0006 04-NOV-1981 Brian Porter, Corrected 'DAR' output error. Added 'device attention' support.

v02-005 BP0005 Brian Porter, 30-SEP-1981 Corrected random problems.

v02-004 BP0004 29-SEP-1981 Brian Porter, Added 'DAR' decoding functionality.

Corrected problem in attention logic. functionality. v02-003 BP0003 14-SEP-1981 Added CSR

v02-002 BP0002 Brian Porter, 31-AUG-1981 Corrected call to calc_map.

v02-001 BP0001 BP0001 Brian Porter, 24-AUG-1981 Changed record format to conform to other drivers. 24-AUG-1981

Subroutine DQDISKS (lun)

include 'src\$:msghdr.for /nolist' include 'src\$:deverr.for /nolist'

byte

Lun

integer*4 control_status_register integer*4 bus_address_register

```
ENT
  0
VAR
```

DQD

PRO

```
DQDISKS
                                                                                                                           16-Sep-1984 00:02:07
5-Sep-1984 13:52:37
                                                                                                                                                                        VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]DQDISKS.FOR: 1
                                                                                                                                                                                                                                                           3
                                                                                                                                                                                                                                             Page
byte_control_register
disk_address_register
multi_purpose_register
ecc_position_register
                                integer*4
                               integer*4
                                integer*4
                                integer*4
                                                             ecc_pattern_register
data_path_number
data_path_register
final_map_register
previous_map_register
                               integer*4
                               integer*4
                                integer*4
                               integer*4
                               integer*4
                                                             vec$1_mapreg
                               integer*4
                                                            (emb$l_dv_regsav(0),control_status_register)
(emb$l_dv_regsav(1),bus_address_register)
(emb$l_dv_regsav(2),byte_control_register)
(emb$l_dv_regsav(3),disk_address_register)
(emb$l_dv_regsav(4),multi_purpose_register)
(emb$l_dv_regsav(5),ecc_position_register)
(emb$l_dv_regsav(6),ecc_pattern_register)
(emb$l_dv_regsav(7),data_path_number)
(emb$l_dv_regsav(8),data_path_register)
(emb$l_dv_regsav(9),final_map_register)
(emb$l_dv_regsav(10),previous_map_register)
(emb$l_dv_regsav(11),vec$l_mapreg)
                               equivalence
                               character*12
                                                             v1csr(0:0)
                               data
                                                             v1csr(0)
                                                                                            /'DRIVE READY*'/
                               character*17
                                                             v2csr(6:7)
                                                             v2csr(6)
v2csr(7)
                               data
                                                                                            /'INTERRUPT ENABLE*'/
                               data
                                                                                            /'CONTROLLER READY*'/
                               character*21
                                                             v3csr(10:10)
                                                             v3csr(10)
                              data
                                                                                            /'OPERATION INCOMPLETE*'/
                                                             v4csr(13:15)
v4csr(13)
                               character*20
                               data
                                                                                            /'NON-EXISTENT MEMORY*'/
                               data
                                                             v4csr(14)
                                                                                            /'DRIVE ERROR*'/
                               data
                                                             v4csr(15)
                                                                                            /'COMPOSITE ERROR*'/
                                                             v5csr(22:24)
v5csr(22)
v5csr(23)
v5csr(24)
                               character*22
                                                                                            /'R80 SKIP SECTOR ERROR*'/
/'R80 SKIP SECTOR ERROR*'/
                               data
                               data
                               data
                                                                                            / INTERRUPT REQUEST* 1/
                                                             v6csr(26:28)
v6csr(26)
v6csr(27)
v6csr(28)
                               character*30
                                                                                            /'R80+'/
                               data
                                                                                            /'AUTOMATIC SKIP SECTOR INHIBIT*'/
/'TIMEOUT INHIBIT*'/
                               data
                              data
                                                             v1rl02_mpr(3:5)
v1rl02_mpr(3)
v1rl02_mpr(4)
v1rl02_mpr(5)
                               character*11
                                                                                             ''BRUSH HOME*'/
''HEADS OUT*'/
                               data
                               data
                               data
                                                                                            /'COVER OPEN*'/
                                                             v2rl02_mpr(8:15)
v2rl02_mpr(8)
v2rl02_mpr(9)
                               character*19
                                                                                            /'DRIVE SELECT ERROR*'/
/'VOLUME CHECK*'/
                               data
                               data
```

```
16-Sep-1984 00:02:07
5-Sep-1984 13:52:37
 DODISKS
                                                                                                                                                  VAX-11 FORTRAN V3.4-56
DISKSVMSMASTER: [ERF.SRC]DQDISKS.FOR; 1
                                                                                                                                                                                                              Page
                                                     v2rl02_mpr(10)
v2rl02_mpr(11)
v2rl02_mpr(12)
v2rl02_mpr(13)
v2rl02_mpr(14)
v2rl02_mpr(15)
                                                                                /'WRITE GATE ERROR*'/
/'SPINDLE ERROR*'/
/'SEEK TIMEOUT*'/
/'WRITE LOCK*'/
data
                           data
                           data
                           data
                                                                                /'HEAD CURRENT ERROR*'/
/'WRITE DATE ERROR*'/
                           data
                           data
                                                     v1r80_mpr(8:13)
v1r80_mpr(8)
v1r80_mpr(9)
v1r80_mpr(10)
v1r80_mpr(11)
v1r80_mpr(12)
v1r80_mpr(13)
                           character*14
                                                                                /'FAULT+'/
                           data
                           data
                                                                                /'PLUG VALID+'/
                           data
                                                                                /'SEEK ERROR*'/
                           data
                                                                                /'ON CYLINDER*'/
                                                                                /'DRIVE READY*'/
/'WRITE PROTECT*'/
                           data
                           data
                            integer*4
                                                      compress4
                                                      compresso
                            integer*4
                            integer*4
                           character*27
                                                      idc_command(0:7)
                                                                               /'NO DRIVE OPERATION*'/
/'WRITE CHECK DATA*'/
/'GET STATUS*'/
/'SEEK*'/
/'READ HEADER*'/
                                                      (dc_command(0)
                           data
                           data
                                                      idc_command(1)
                                                      idc_command(2)
idc_command(3)
idc_command(4)
idc_command(5)
                           data
                           data
                           data
                                                                                / WRITE DATA ! /
                           data
                                                                               /'READ DATA*'/
/'READ DATA W/O HEADER CHECK*'/
                                                      idc_command(6)
idc_command(7)
                           data
                           data
                           logical*1
                                                     diagnostic_mode
                           integer*4
                                                      lib$extzv
                                                     data_check_and_opi_bits
data_late_and_opi_bits
                            integer*4
                            integer*4
                           integer*4
integer*4
integer*4
                                                     sector_count
ecc_status_bits
rl02_status_bits
                                       character*20
                           data
                           data
                                                                                /'BRUSH CYCLE*'/
/'LOAD HEADS*'/
/'SEEK TRACK COUNTING*'/
/'SEEK LINEAR MODE*'/
/'UNLOAD HEADS*'/
                           data
                           data
                           data
                           data
                           data
                           data
                            integer*4
                                                      device_function
                            integer*4
                                                     device_type
                            integer*4
                                                      sector
                            integer*4
                                                      cylinder
                            integer*4
                                                     tag
head
                            integer*4
                                                      v1dar(0:1)
                           character*11
                                                      vldar(0)
                                                                                /'MARKER*'/
                           data
```

DQD

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FUN

```
DODISKS
                                                                                                        VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]DQDISKS.FOR; 1
                                                                                                                                                   Page
data
                                      vldar(1)
                                                         /'GET STATUS+'/
                                      v2dar(3:3)
v2dar(3)
                   character*6
                                                         /'RESET+'/
                   data
                                      v4dar(2:2,0:1)
v4dar(2,0)
v4dar(2,1)
                   character*8
                                                         /'REVERSE*'/
                   data
                                                         /'FORWARD+'/
                   data
                                      v6dar(4:4,0:1)
v6dar(4.0)
v6dar(4,1)
                   character*18
                                                         /'SELECT LOWER HEAD+'/
                   data
                   data
                   character*15
                                      v7dar(6:6)
                   data
                                      v7dar(6)
                                                         /'RETURN-TO-ZERO*'/
                   call frctof (lun)
                   call dhead1 (lun, 'RB730')
                   diagnostic_mode = .false.
                   if (lib$extzv(25,1,control_status_register) .eq. 1)
                   1 diagnostic_mode = .true.
                   device_function = lib$extzv (1,3,control_status_register)
                   device_type = lib$extzv (26,1,control_status_register)
                   call linchk (lun,2)
                   write(lun,5) 'RB CSR',control_status_register
format(/' ',t8,a,t24,z8.8)
         5
                   if (.not. diagnostic_mode) then
                   call output (lun,control_status_register,v1csr,0,0,0,'0')
                   call linchk (lun.1)
                   if (lib$extzv(29,1,control_status_register) .eq. 1) then
                   write(lun,10) 'R80 WRITE FORMAT FUNCTION' format(', t40,a)
         10
                   else
                   idc_function = lib$extzv(1,3,control_status_register)
                   write(lun,15) idc_command(idc_function)
format(' ,t40,a<compressc (idc_command(idc_function))>)
         15
                   endif
                   call output (lun,control_status_register,v2csr,6,6,7,'0')
                   call linchk (lun,1)
```

COP

COP

```
DQDISKS
                                                                                                    VAX-11 FORTRAN V3.4-56
DISKSVMSMASTER: [ERF.SRC]DQDISKS.FOR:1
                  write(lun,20) 'DRIVE #',lib$extzv(8,2,control_status_register),
1 '. SELECTED'
format(' ',t40,a,i1.1,a)
         20
call output (lun,control_status_register,v3csr,10,10,10,'0')
                  data_check_and_opi_bits = lib$extzv(10,2,control_status_register)
                    data_check_and_opi_bits .eq. 2
                  1 data_check_and_opi_bits .eq. 3
                  call linchk (lun,1) endif
                  if (data_check_and_opi_bits .eq. 2) then
                  write(lun,25) 'DATA CHECK ERROR' format(' ',t40,a)
         25
                  else if (data_check_and_opi_bits .eq. 3) then
                  write(lun,25) 'HEADER CRC ERROR' endif
                  data_late_and_opi_bits = lib$extzv(10,3,control_status_register)
                    data_late_and_opi_bits .eq. 4
                  1 data_late_and_opi_bits .eq. 5
1 ) then
                  call linchk (lun,1)
                  if (data_late_and_opi_bits .eq. 4) then
                  write(lun,25) 'DATA LATE'
                  else if (data_late_and_opi_bits .eq. 5) then
                  write(lun, 25) 'HEADER NOT FOUND'
                  endif
                  call output (lun,control_status_register,v4csr,13,13,15,'0')
                  do 35, i = 16, 19
                  if (libSextzv(i,1,control_status_register) .eq. 1) then
                  call linchk (lun,1)
                  write(lun,30) 'ATTENTION DRIVE #',i-16,'.' format(' ',t40,a,i1.1,a)
         30
```

**F

```
6 7
16-Sep-1984 00:02:07
5-Sep-1984 13:52:37
DODISKS
                                                                                                   VAX-11 FORTRAN V3.4-56
DISKSVMSMASTER: [ERF.SRC]DQDISKS.FOR; 1
                  endif
        35
                  continue
                  if (libSextzv (26,1,control_status_register) .eq. 1) then
                  ecc_status_bits = lib$extzv (20,2,control_status_register)
                  if (ecc_status_bits .ne. 0) then
                  call linchk (lun,1)
                  if (ecc_status_bits .eq. 1) then
                  write(lun,40) 'DATA ERROR' format(' ,t40,a)
        40
                  else if (ecc_status_bits .eq. 2) then
                  write(lun.40) 'HARD ERROR'
                 else if (ecc_status_bits .eq. 3) then
                 write(lun,40) 'CORRECTABLE ERROR'
                  endif
                  endif
                 call output (lun,control_status_register,v5csr,22,22,24,'0')
                 if (libSextzv (26,1,control_status_register) .eq. 1) then
                 call output (lun,control_status_register,v6csr,26,26,28,'0')
endif
                 else
                 call linchk (lun,1)
                 write(lun,40) 'DIAGNOSTIC MODE'
                 call linchk (lun,1)
                  write(lun,45) 'RB BAR',bus_address_register format(' ,t8,a,t24,z8.8)
        45
                  if (.not. diagnostic_mode) then
                    device_function .eq. 1
                    device_function .eq. 5
                    .or.
device_function .eq. 6
                   device function .eq. 7
```

VAX-11 FORTRAN V3.4-56 DISK\$VMSMASTER: [ERF.SRC]DQDISKS.FOR; 1

endi endif

call linchk (lun,1)

call linchk (lun,1)

if (.not. diagnostic_mode) then

device_function .eq. 1

device_function .eq. 5

device_function .eq. 6

device_function .eq. 7

if (device_type .eq. 0) then

else if (device_type .eq. 1) then

else if (device_function .eq. 2) then

else if (device_function .eq. 3) then

if (device_type .eq. 0) then

if (device_type .eq. 0) then

write(lun,46) sector,cylinder
format(' ',t40,'SECTOR #',i<compress4 (sector)>,'.',/,
1 t40,'CYLINDER #',i<compress4 (cylinder)>,'.')

call output (lun, disk_address_register, v1dar, 0, 0, 1, '0')

call output (lun, disk_address_register, v2dar, 3, 3, 3, '0')

) then

endif

endif

46

call linchk (lun,2)

```
16-Sep-1984 00:02:07
5-Sep-1984 13:52:37
call_calc_map (lun,16,bus_address_register,bus_address_register)
write(lun,45) 'RB BCR',byte_control_register
write(lun,45) 'RB DAR', disk_address_register
sector = lib$extzv (0,6,disk_address_register)
cylinder = lib$extzv (7,9,disk_address_register)
sector = libSextzv (0,5,disk_address_register)
cylinder = lib$extzv (9,10,disk_address_register)
```

```
16-Sep-1984 00:02:07
5-Sep-1984 13:52:37
DODISKS
                                                                                                                VAX-11 FORTRAN V3.4-56 P
DISKSVMSMASTER: [ERF.SRC]DQDISKS.FOR; 1
0615
0616
0617
0618
0619
0620
0621
0623
0623
0626
0626
0627
0628
0633
0634
0633
0634
0635
0636
0637
0638
0640
0642
0643
                    call output (lun, disk_address_register, vider, 0, 0, 1, '0')
                    call output (lun, disk_address_register, v4dar, 2, 2, 2, '2')
                    call output (lun, disk_address_register, v2dar, 3, 3, 3, '0')
                    call output (lun, disk_address_register, v6dar, 4, 4, 4, 4, '2')
                    cylinder = lib$extzv (7,9,disk_address_register)
                    call linchk (lun,1)
                    write(lun,47) cylinder format(',t40,i<compre
          47
                                 ,t40,i<compress4 (cylinder)>,'. CYLINDER(S) TO MOVE')
                    else if (device_type .eq. 1) then
                    tag = libSextzv (13,3,disk_address_register)
                    call linchk (lun.1)
                    if (tag .eq. 1) then
                    cylinder = lib$extzv (0,10,disk_address_register)
                    write(lun, 48) 'CYLINDER #', cylinder
          48
                    format('
                                ',t40,a,i<compress4 (cylinder)>,'. SELECTED')
                    else if (tag .eq. 2) then
                    head = lib$extzv (0,4,disk_address_register)
0646
0647
0648
                    write(lun,48) 'HEAD #',head
0649
                    else if (tag .eq. 4) then
0650
0651
0652
0653
                    call output (lun, disk_address_register, v7dar, 6, 6, 6, '0')
                    endif
                    endif
0654
0655
0656
0657
0658
0659
0660
0661
0662
0665
0666
0667
0668
0669
0670
                    endif
                    end if
                    call linchk (lun.1)
                    write(lun,50) 'RB MPR', multi_purpose_register
          50
                    format('
                               ',t8,a,t24,z8.8)
                    if (.not. diagnostic_mode) then
                    if (lib$extzv (26,1,control_status_register) .eq. 1) then
                    sector_count = libSextzv (0,5,multi_purpose_register)
                    call linchk (lun,1)
                    write(lun,55) 'SECTOR COUNT ', sector_count,'.'
          55
                                 ',t40,a,i<compress4 (sector_count)>,a)
```

DR1

```
16-Sep-1984 00:02:07
5-Sep-1984 13:52:37
DQDISKS
                                                                                                                            VAX-11 FORTRAN V3.4-56
DISKSVMSMASTER: LERF. SRCJDQDISKS.FOR; 1
                                                                                                                                                                               Page 10
0672
0673
0674
0675
0676
0677
0678
0679
0680
0681
0683
0684
0685
0686
0687
0691
0691
0693
0694
0695
0696
0697
0698
                       call cutput (lun, multi_purpose_register, v1r80_mpr, 8,8,13,'0')
                       else
                       rlO2_status_bits = lib$extzv (0.3,multi_purpose_register)
                       call linchk (lun.1)
                       write(lun,60) v1rl02_status_bits(rl02_status_bits)
format(' ,t40,a<compressc Tv1rl02_status_bits(rl02_status_bits))>)
           60
                       call output (lun, multi_purpose_register, v1rl02_mpr, 3, 3, 5, '0')
                       call linchk (lun,1)
                       if (lib$extzv (6,1,multi_purpose_register) .eq. 1) then
                       write(lun,65) 'LOWER HEAD SELECTED' format(' ,140,a)
           65
                       write(Lun.65) 'UPPER HEAD SELECTED'
                       endif
                       call output (lun,multi_purpose_register,v2rl02_mpr,8,8,15,'0')
                       endif
                       endif
                      call linchk (lun,2)
0701
0702
0703
                      write(lun,70) 'RB E(C1',ecc_position_register,
1 'RB E(C2',ecc_pattern_register
format(' ',t8,a,t24,z8.8,/,t8,a,t24,z8.8)
0704
           70
0705
0706
0707
0708
0709
                         (device_function .eq. 1
                         device_function .eq. 5
0710
0711
                         device_function .eq. 6
0712
0713
0714
0715
0716
0717
0718
0720
0721
0723
0724
0725
                         device_function .eq. 7)
                          emb$w_hd_entry .ne. 98
                         ) then
                       çall uba_datapath (lun,iand(data_path_number,'0000007f'x),
                       1 data_path_register)
                       call calc_map2 (16,bus_address_register,bus_address_register,field)
                       call uba_mapping (lun,field,final_map_register)
                         lib$extzv (16,16,emb$l_dv_iosb1) .gt. 512
                       1 .and.
1 field .ne. 0
```

DRI

```
DQD1SKS
                                                                                              VAX-11 FORTRAN V3.4-56 Page 11 DISK$VMSMASTER: [ERF.SRC]DQDISKS.FOR; 1
                 1) then
                 call uba_mapping (lun,(field-1),previous_map_register)
endif
                 call vecmapreg (lun, vec$l_mapreg)
call linchk (lun,1)
                 write(lun,75)
format(',:)
        75
                 if (emb$w_hd_entry .ne. 98) then
                 call ucb$b_ertcnt (lun,emb$b_dv_ertcnt)
                 call ucb$b_ertmax (lun,emb$b_dv_ertmax)
                 call orb$l_owner (lun,emb$l_dv_ownuic)
                 call ucb$l_char (lun,emb$l_dv_char)
                 call ucb$w_sts (lun,emb$w_dv_sts)
                 call ucb$l_opcnt (lun,emb$l_dv_opcnt)
                 call ucb$w_errcnt (lun,emb$w_dv_errcnt)
                 if (emb$u_hd_entry .ne. 98) then
                 call ucb$l_media (lun,emb$l_dv_media)
                 call linchk (lun,1)
                 write(lun,75)
                 call dqdisks_gio (lun,emb$w_dv_func)
                 call irp$w_bcnt (lun,emb$w_dv_bcnt)
                 call irp$w_boff (lun,emb$w_dv_boff)
                 call irp$l_pid (lun,emb$l_dv_rqpid)
                 call irp$q_iosb (lun,emb$l_dv_iosb1)
endif
                 return
                 end
```

DR1

PRO

DR1

ENT

VAR

ARR.

DQDISKS						M 7 16-Sep-19 5-Sep-19	84 00:	02:07	VAX-11 DISKSVM	FORTRA SMASTE	N V3.4-50	6 RCJDQDISKS.	Pag FOR: 1	ge 13
ARRAYS														
Address	Type I	lame			Bytes	Dimension	S							
3-00000000 3-00000052 3-0000006 2-00000228 2-000003A0 2-000001D4 2-000001B 2-00000300 2-00000300 2-000003E 2-000003E 2-000003E 2-000003F 2-000003F	L+1 I+4 CHAR CHAR CHAR CHAR CHAR CHAR CHAR CHAR	/5CSR /6CSR /6DAR	TS		5120 82162 1122 8330 1521 600 1521 600 153 153 153 153 153 153 153 153 153 153	(0:511) (0:104) (2) (0:7) (0:0) (0:1) (8:13) (3:5) (0:7) (6:7) (3:3) (8:15) (10:10) (13:15) (22:24) (26:28) (4:4, 0:1) (6:6))							
LABELS														
Address	Label	Address	Label	Address	Label	Add	ress	Label	Add	ress	Label	Addres	s Lal	bel
1-00000176	5' 35 50'	1-00000183 1-00000183 1-0000023f	10° 40° 55°	1-0000018A 1-000001BA 1-0000024D	15' 45' 60°	1-000 1-000 1-000	00196 00166 00259	20° 46° 65°	1-000 1-000 1-000	001A1 001F7 00260	25° 47° 70°	1-000001 1-000002 1-000002	A8 30 21A 48 275 75	•
FUNCTIONS AND	SUBROL	TINES REFERENCE	D			. 3								
Type Name		Type Name		Type Name		Type	Name		Type	Name		Type Na	me	
CALC FRCTO LINCO UCBSE VECM)F	CALC IRP\$[ORB\$L UCB\$L	MAP2 _PID _OWNER _CHAR	IRP\$(RESS4 Q IOSB UT L_MEDIA	1*4	COMPRI IRPSW UBA DI UCB\$L	ESSC BCNT TAPATH OPCNT		UBA_M	BOFF APPING ERRCNT	1+4 L1	DISKS (BSEXTZ) BSB_ERT BSW_STS	TCNT

DR1

LAB

FUN

Subroutine DQDISKS_QIO (lun,emb\$w_dv_func)

include 'src\$:giocommon.for /nolist'

lun

byte

integer*2 emb\$w_dv_func

integer*4 qiocode(0:1,0:63)

if (qiocode(0,0) .eq. 0) then

 $qiocode(1,00) = %loc(io\$_nop)$

qiocode(1,02) = %loc(io\$_seek)

qiocode(1,03) = %loc(ios_recal)

qiocode(1,04) = %loc(io\$_drvclr)

qiocode(1,08) = %loc(io\$_packack)

qiocode(1,10) = %loc(io\$_writecheck)

qiocode(1,11) = %loc(io\$_writepblk)

qiocode(1,12) = %loc(io%_readpblk)

qiocode(1,14) = %loc(io\$_readhead)

qiocode(1,26) = %loc(io\$_setchar)

qiocode(1,27) = %loc(io\$_sensechar)

qiocode(1,32) = %loc(io\$_writelblk)

qiocode(1,33) = %loc(io%_readlblk)

qiocode(1,35) = %loc(io%_setmode)

qiocode(1,39) = %loc(io\$_sensemode)

qiocode(1,48) = %loc(io%_writevblk)

DR'

03

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```
16-Sep-1984 00:02:07 VAX-11 FORTRAN V3.4-56 Page 16 5-Sep-1984 13:52:37 DISK$VMSMASTER:[ERF.SRC]DQDISKS.FOR:1
   DQDISKS_Q10
   PROGRAM SECTIONS
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VARIABLES
  AP-0000008a I*2 EMB$W DV FUNC
3-0000442 CHAR IO$ ABORT
3-00003C2 CHAR IO$ CLEAN
3-0000297 CHAR IO$ DEACCESS
3-000026D CHAR IO$ DIAGNOSE
3-000026D CHAR IO$ DIAGNOSE
3-0000276 CHAR IO$ FORMAT
3-0000014 CHAR IO$ LOADMCODE
3-000003E2 CHAR IO$ MOUNT
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DR1

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LAB

FUN

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COP

DQD1SKS_Q10

D 8 16-Sep-1984 00:02:07 VAX-11 FORTRAN V3.4-56 5-Sep-1984 13:52:37 DISK\$VMSMASTER: LERF. SRCJDQDISKS.FOR; 1

**

3-0000017E CHAR IOS WRITETRACKD 3-00000448 CHAR IOS WRITEWTHBUF AP-000000048 L*1 LUN

3-00000326 CHAR IOS WRITEVBLK 3-00000257 CHAR IOS WRITEMER 3-000004A1 CHAR QIO_STRING

ARRAYS

Address Type Name

Bytes Dimensions

2-00000000 1+4 Q10CODE

512 (0:1, 0:63)

LABELS

Address Label

10

FUNCTIONS AND SUBROUTINES REFERENCED

Type Name

Type Name

IRP\$W_FUNC

1*4 LIBSEXTZV

COMMAND QUALIFIERS

FORTRAN /LIS=LISS:DQDISKS/OBJ=OBJS:DQDISKS MSRCS:DQDISKS

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE_FORM)
/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)
/F77 /NOG_FLOATING /14 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

10.94 seconds 25.02 seconds 269 248 pages Run Time: Elapsed Time: Page Faults: Dynamic Memory:

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